

CDF Operations Report

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All Experimenters' Meeting



Stores summary

Date	Store	Duration (h)	Inst Lum (initial)	Int Lum (delivered)	Int Lum (live)	3
Mo 6/16	2692	15.1	27.4e30	890.5	789.9	88.7%
Tu 6/17	2694	17.2	31.5e30	1077.9	837.9	77.7%
We 6/18	2702	5.2	29.8e30	463.4	421.6	90.9%
Th 6/19	2705	13.2	22.8e30	671.5	451.6	67.2%
Fr 6/20	2707	6.2	29.1e30	506.2	474.5	93.7%
Fr 6/20	2710	17.1	24.7e30	950.6	865.4	91.0%
Sa 6/21	2712	17.6	30.7e30	1119.3	1028.7	91.9%
Su 6/22	2715	20.2	39.3e30	1588	1447	91.1%
Total				7267.4	6316.6	86.9%

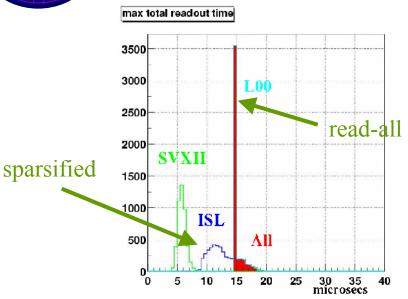


Down time

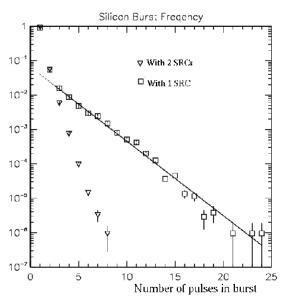
- Fan failed in PS for track trigger electronics crate Thursday evening
 - Tried to revive, then had to call in expert to swap out PS
 - Two hours
- Sacrificed beam time Tu and Th for "two SRC tests"
 - SVX/ISL/L00 read out every L1A, only SVX used in L2 trigger
 - Give ISL/L00 their own Silicon Readout Controller and only read out after L2A
 - 2nd SRC does not play well with TDCs --- only reproducible with beam --- enlisted this guy's help
 - Test results inconclusive, more offline head-scratching needed



Why 2 SRCs?



silicon readout times



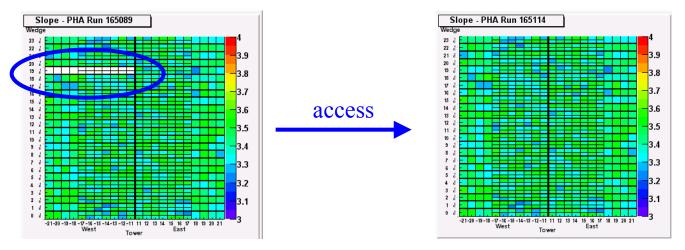
resonance probability (n readouts in a row)

- •Benefits of two SRCs:
 - •Shorter L2 decision time (8 µs)
 - •Less probability for readout resonances (=broken wire bonds) at high L1A rates



Sunday access

- •Dead wedge in plug hadron calorimeter discovered in between-store calibration
 - •Expert diagnosed blown fuse in collision hall
- •Data missing a wedge deemed "bad" --- pbars not yet loaded --- request access
 - •Silicon tags along, as usual



Post-access: Fully-functional calorimeter, two fixed Si ladders, and highest initial luminosity in 35 days



Summary

- When not testing, CDF had a week of smooth running
 - We like D0's "do not touch" policy
 - 6.3 pb⁻¹ to tape, 87% efficiency
- Timing of blown calorimeter fuse was unfortunate
 - We appreciate being given the opportunity to take full advantage of TeV's "return to form"
 - All heckling graciously acknowledged
- Looking forward to more high luminosity running
 - Time has been invested in the past month to ensure we are ready to take data efficiently at high rate